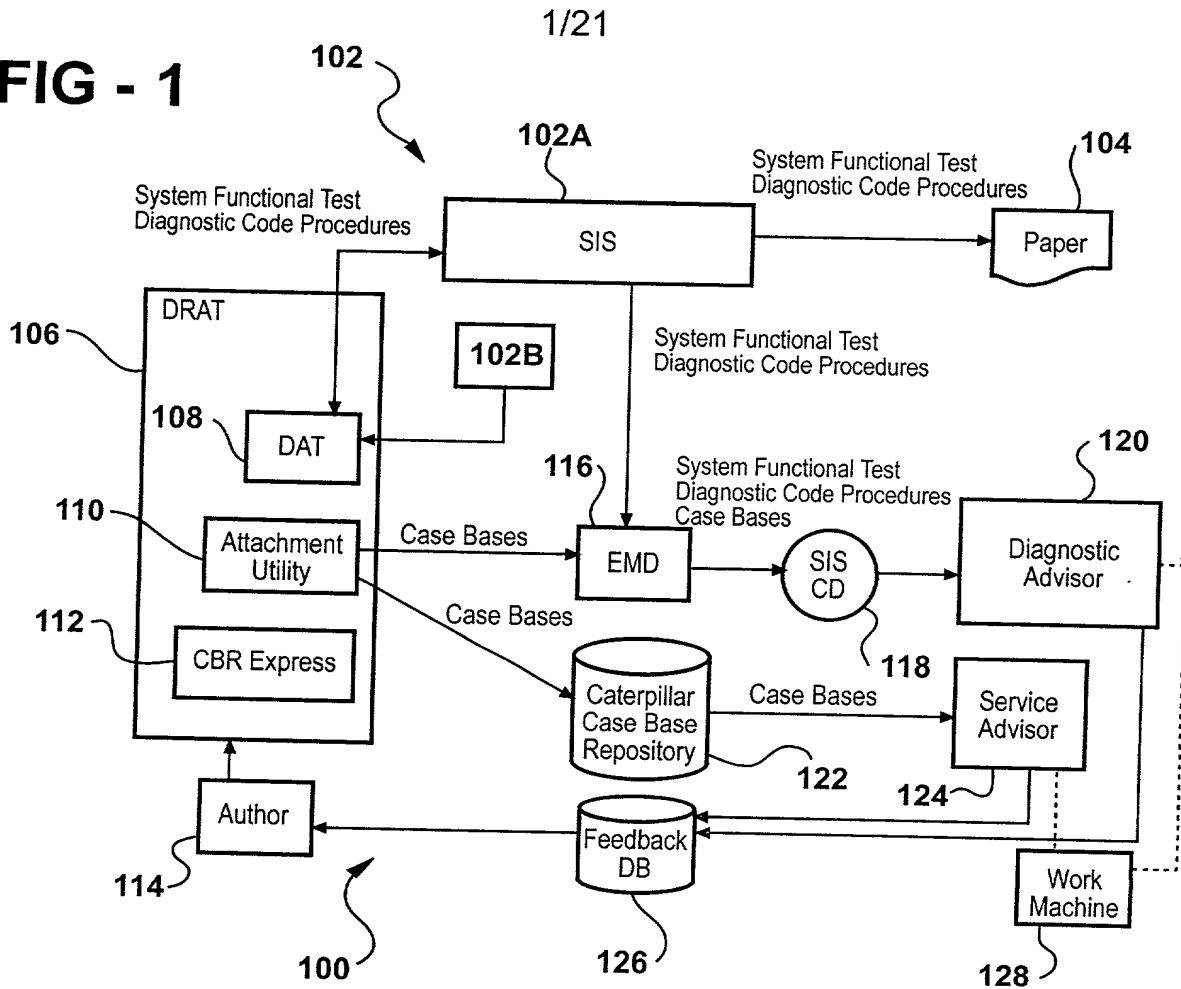


**FIG - 1**



**FIG - 2**

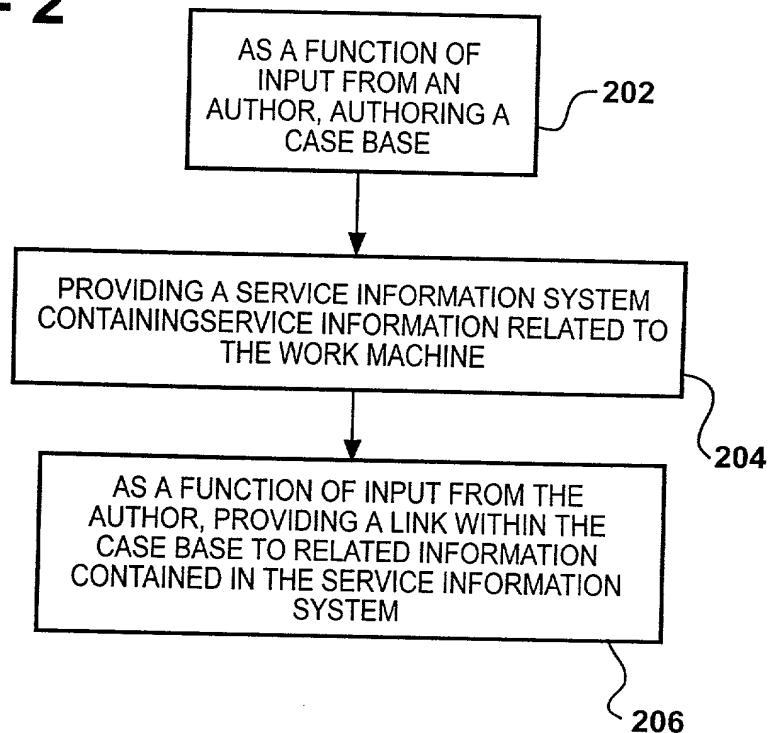


FIG - 3

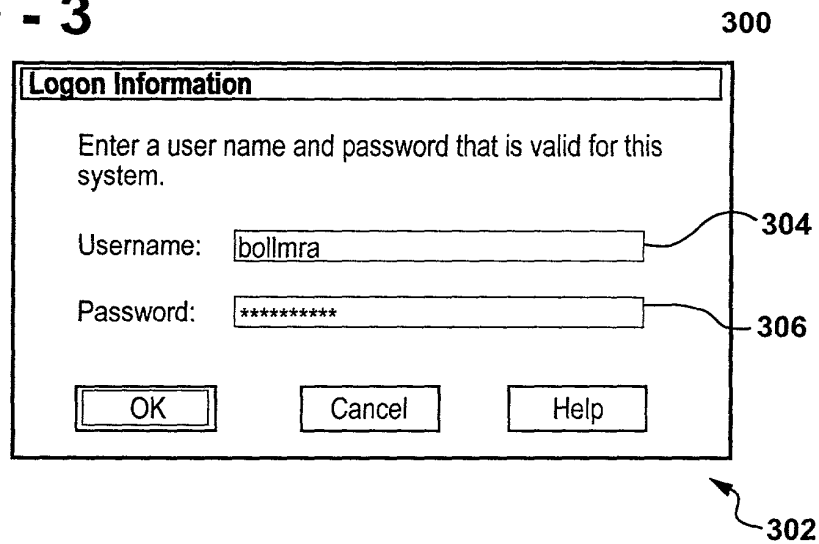


FIG - 4

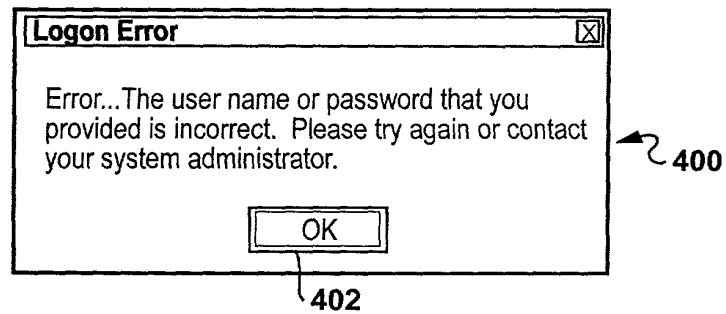


FIG - 5

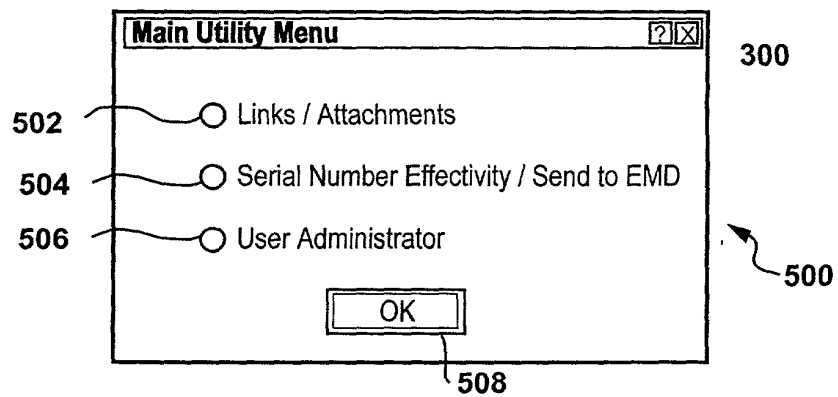


FIG - 6

**Attachment Utility** 600

Serial Number Prefix / PIN 612 ☒ 614  610

IE Reference 602 DAT Test Proc 602 SMCS 602 DPSO 602 Status Tool Call 602 Execute Tool Call 602

Information Source 618

☒ SIS CD 646 ☒ SIS Authoring 648

SIS Authoring control number: 652 ☒ 654

Information type: 650

Title: 656

ECAP Troubleshooting 658

632

Additional information: 660

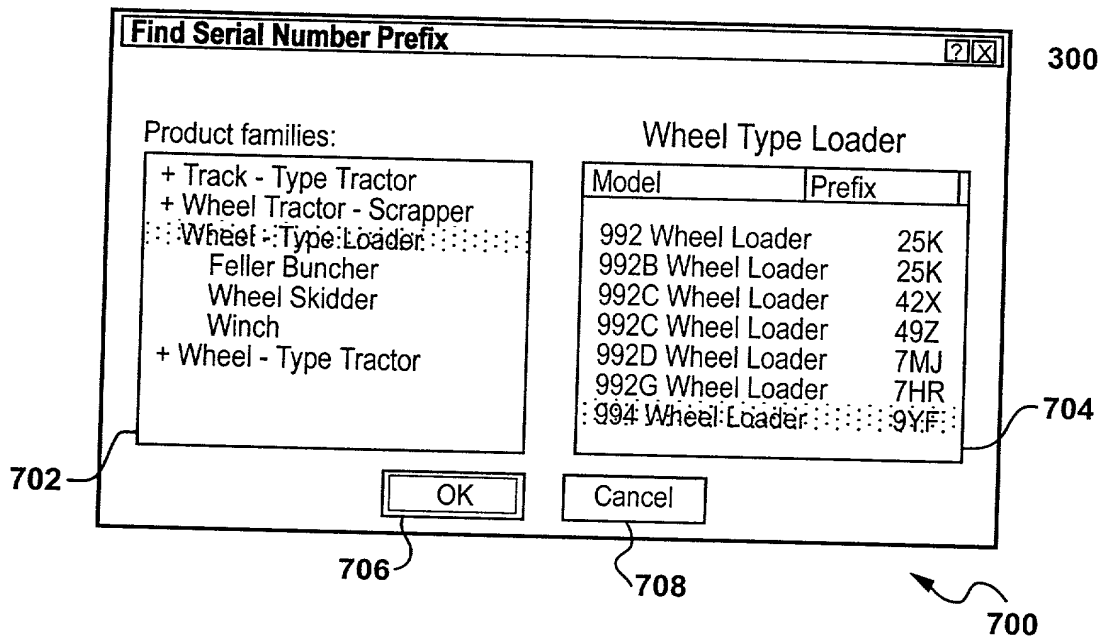
Danger / Warning / Caution / Notice 660

Refer to: ECAP Troubleshooting 662

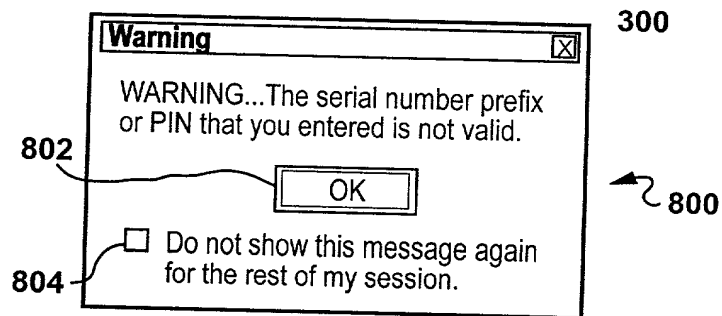
Exit 634 New 636 Copy 638 Help 644

# FIG - 7

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# FIG - 8



# FIG - 9

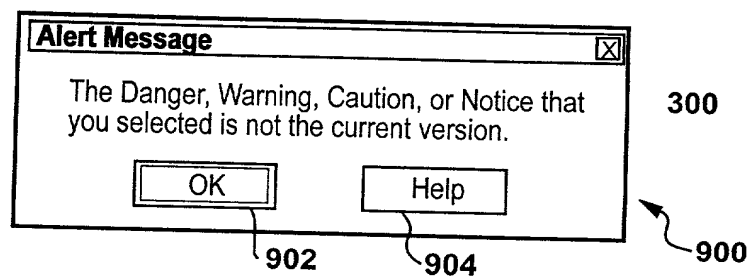


FIG - 10

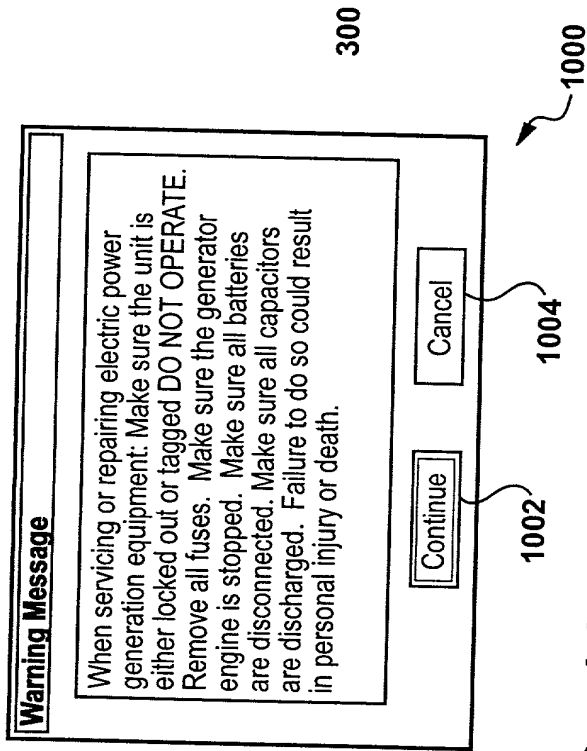


FIG - 14

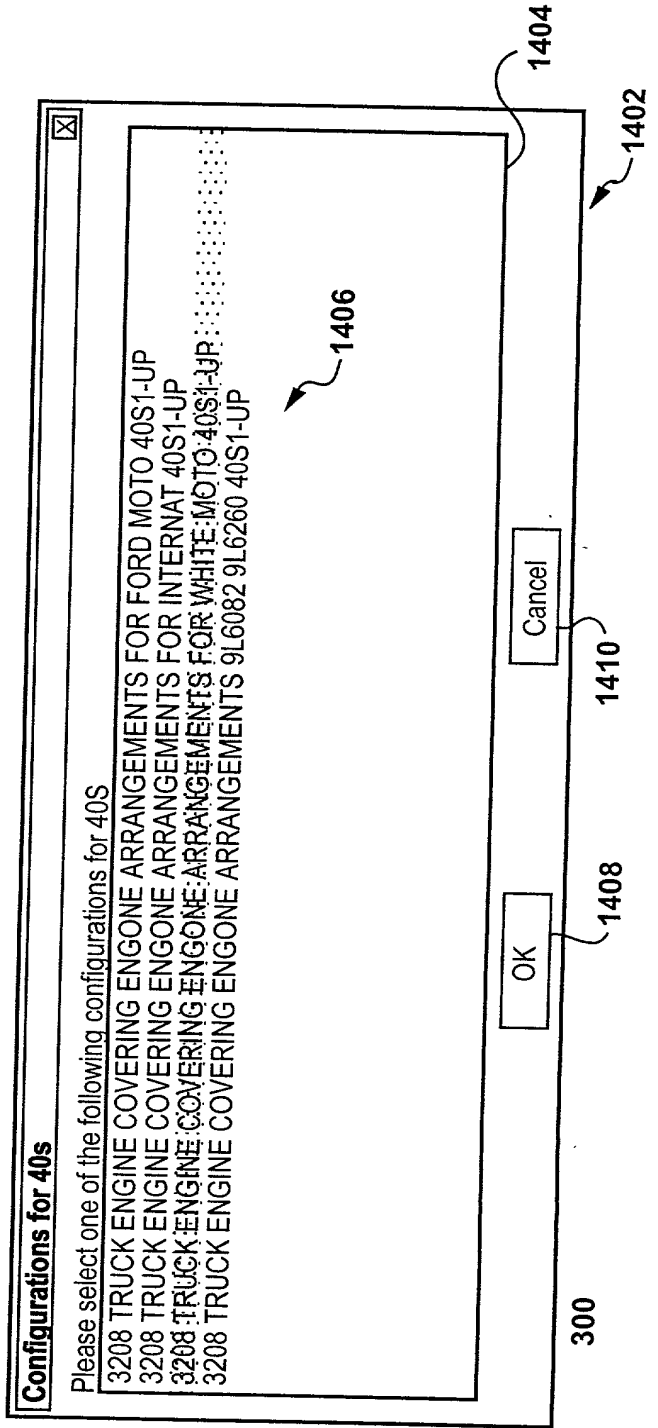
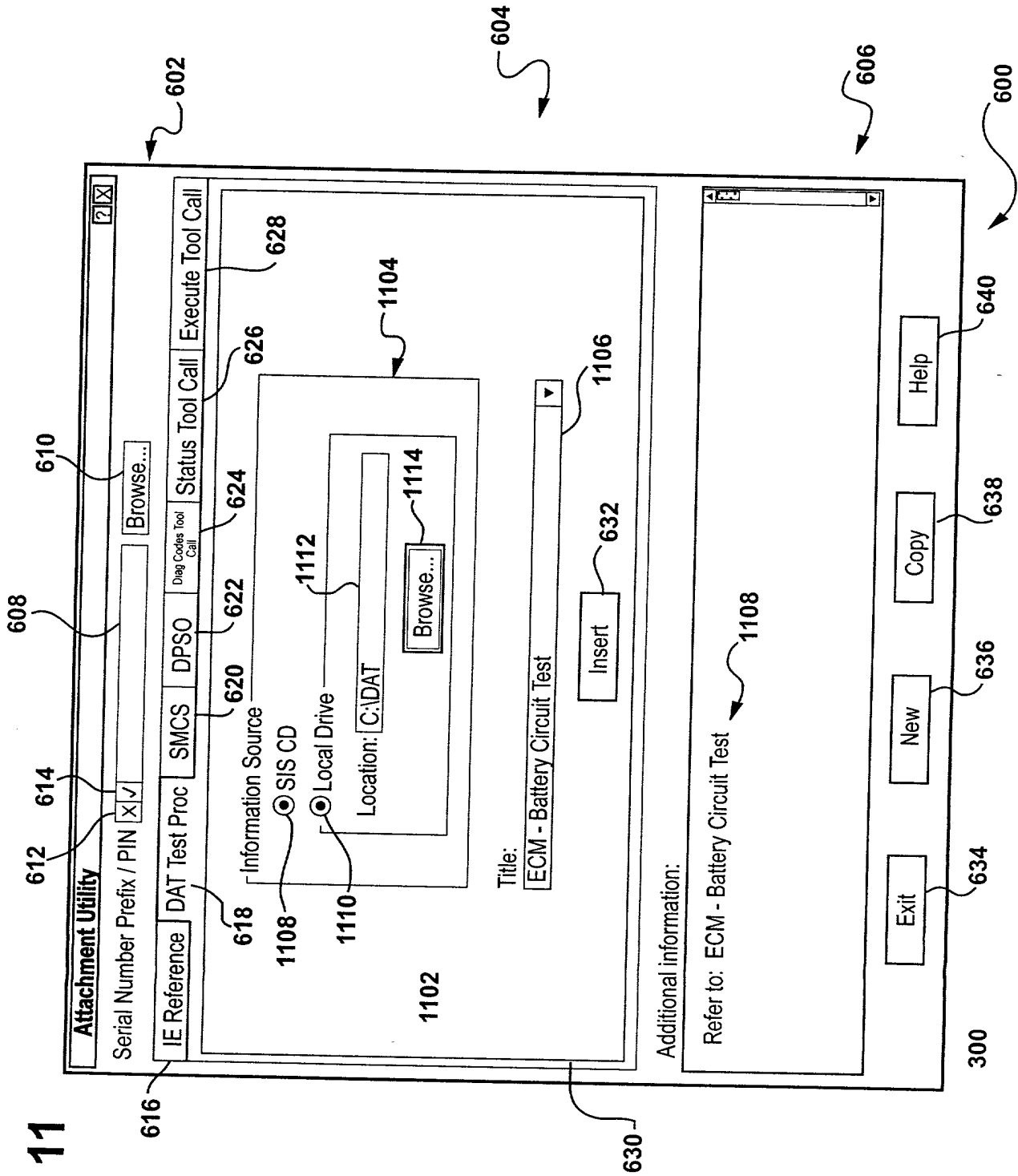
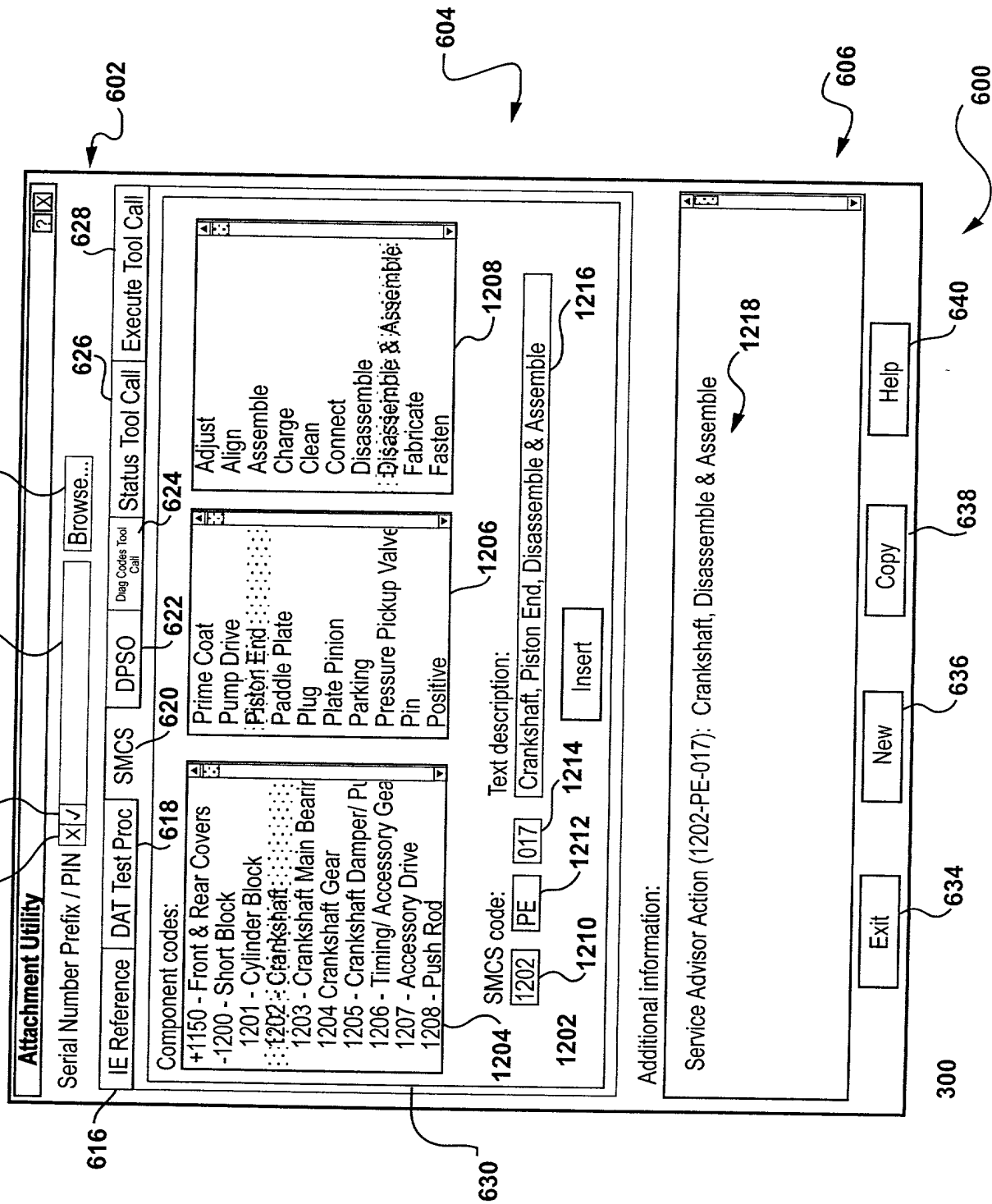


FIG - 11



# FIG - 12



# FIG - 13

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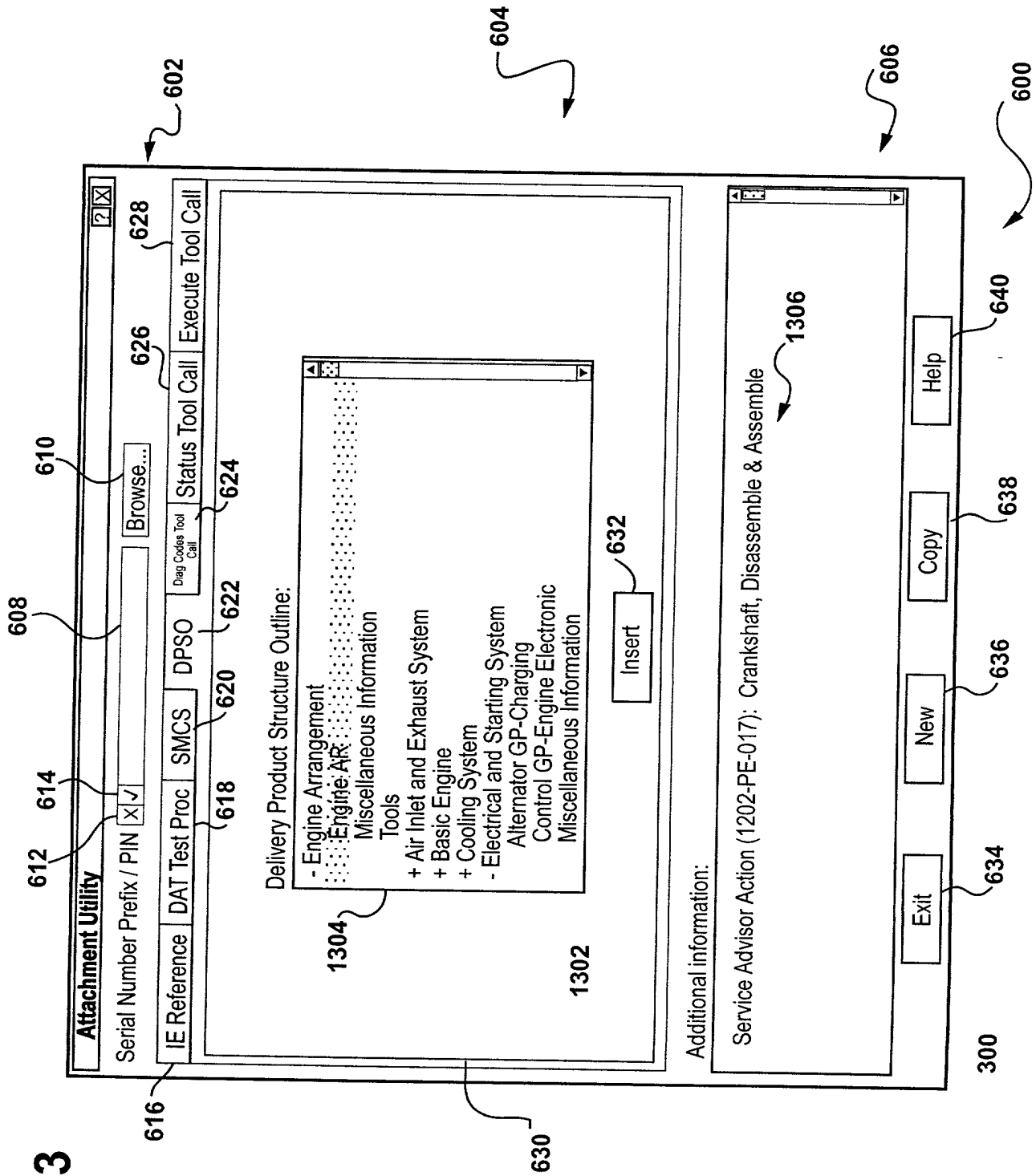




FIG - 15

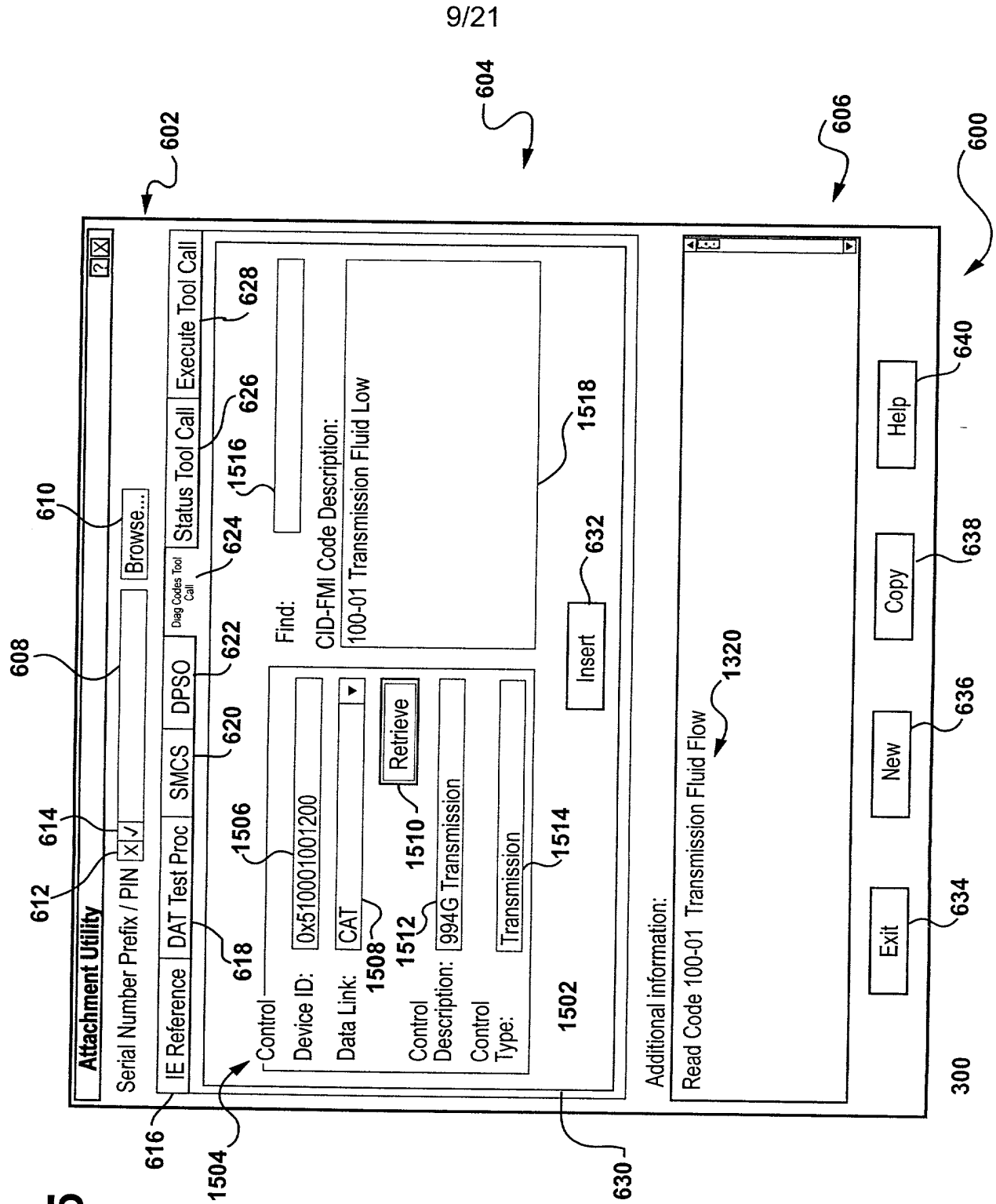


FIG - 16

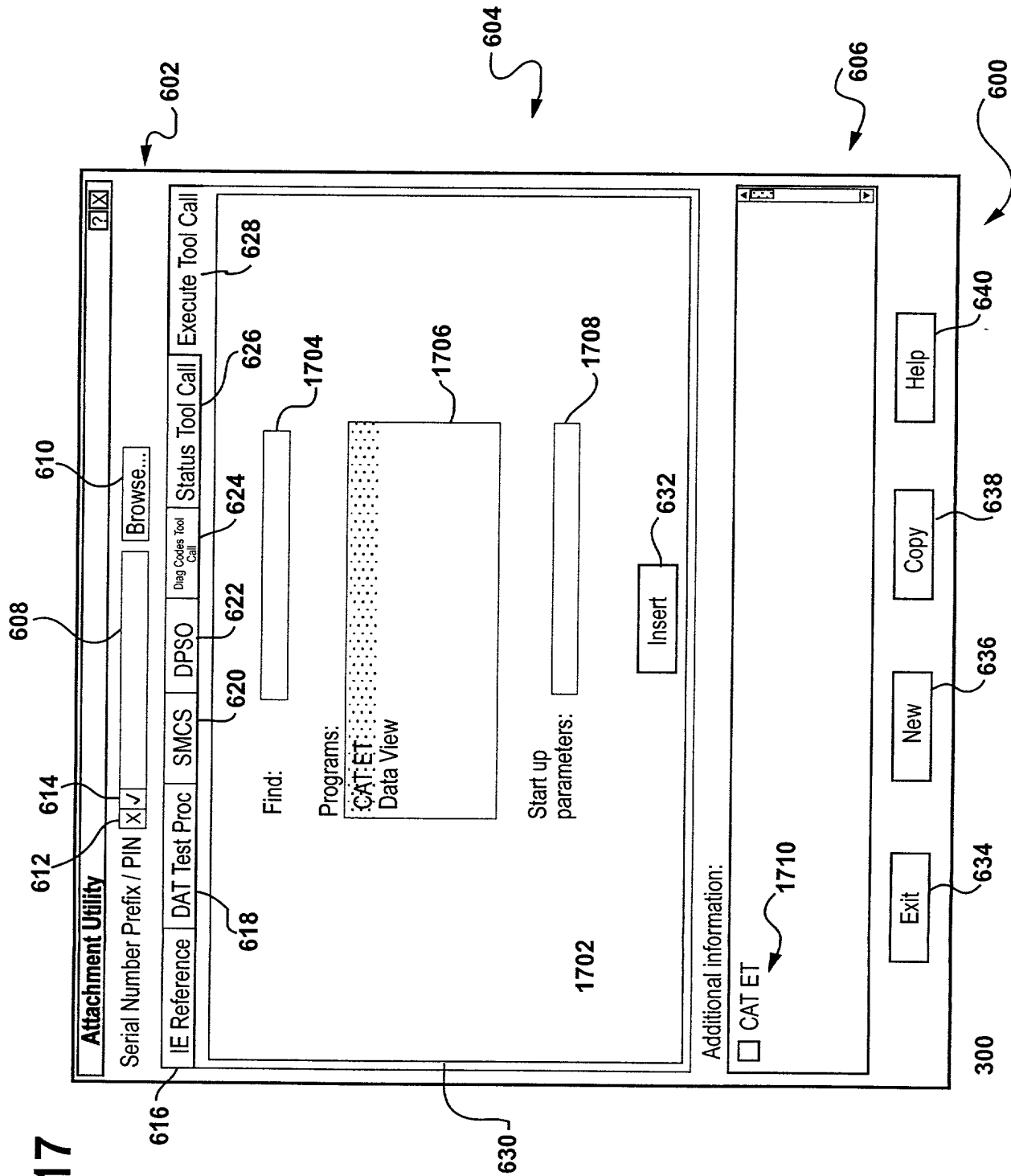
The screenshot displays the 'Attachment Utility' window with a menu bar (608) containing 'Serial Number Prefix / PIN' (612, 614), 'Browse...' (610), and a status bar (602). The main toolbar (604) includes buttons for 'IE Reference' (616), 'DAT Test Proc' (620), 'SMCS' (622), 'DPSO' (624), 'Status Tool Call' (626), and 'Execute Tool Call' (628). The 'Status Tool Call' button is selected, opening a detailed parameter view (600).

The parameter view (600) is divided into several sections:

- Control** (618): Includes 'Device ID' (1606) set to '0x510001001200', 'Data Link' (1608) set to 'CAT', and a 'Retrieve' button (1610).
- Control Description** (1612): Set to '994G Transmission'.
- Control Type** (1614): Set to 'Transmission'.
- Measurement** (1602): Includes 'English' (1622) set to 'Amp' and 'Metric' (1624) set to 'Amp'.
- Parameters** (1618): A list of parameters including 'Clutch #1: Current', 'Parking Brake Switch', 'Diagnostic Clock', 'Transmission Output Speed', 'Gear Lever', 'Gear', and 'Starter Relay'.
- Additional information:** (1626) displays 'Read Clutch #1 Current From Transmission'.

At the bottom of the window, there is a toolbar (630) with buttons for 'Exit' (634), 'New' (636), 'Copy' (638), and 'Help' (640).

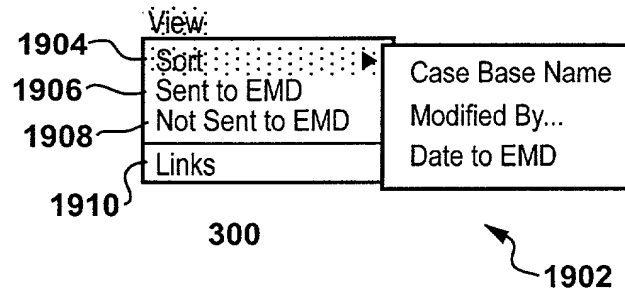
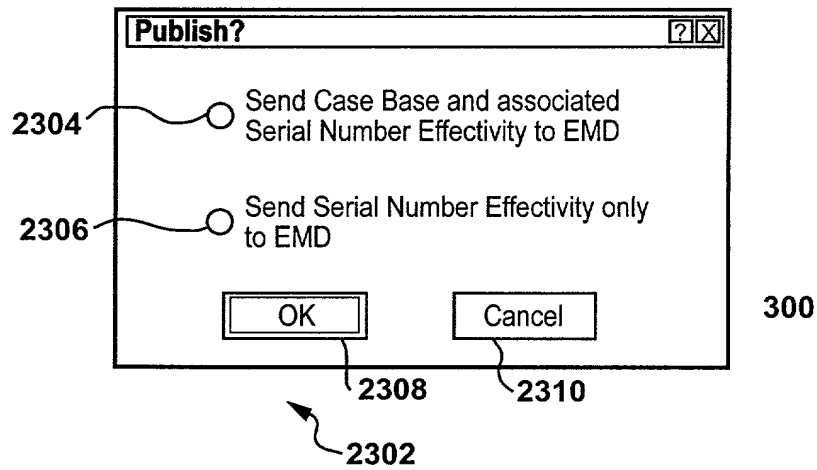
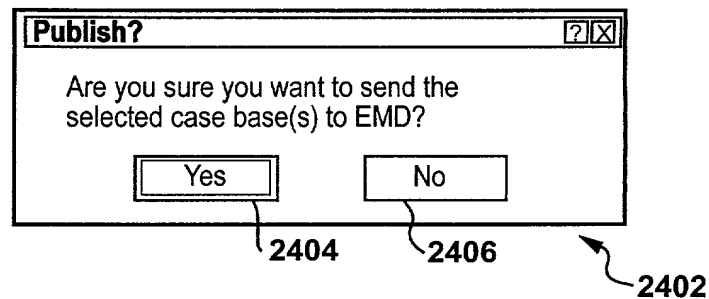
FIG - 17



	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100



1802

**FIG - 19****FIG - 23****FIG - 24**

Machine Case Base BHL008 - Lotus Notes

File Edit View Create Actions Text Window Help

CBRX

Reference Links

View Links

Attach

Detach

Submit

Save

Close

2004

CBRAT Workflow

System Case Base

Diagnostic Coordinator	John G. Karrot
Main Case Case Based Name	BHL008
System	Engine
Authoring of the System	John G. Karrot
Due Date	05/01/99
System Status	In Progress

Comment:

test reject

Attachment(s): BHL008.cdf,

Helv

10

[None]

Office

FIG - 20

Machine Case Base BHL008 - Lotus Notes

File Edit View Create Actions Text Window Help

CBRX

Reference Links

View Links

Add System

Submit

Send to EMD

Save

Close

2004

CBRAT Workflow  
Machine Case Base

Family	Backhoe Loader
Case Based Name	BHL008
Description	t.
Serial Number	2lm,1,5,
(pfx, SNLow, SNHigh<, ArrangementNUM>)	
Serial Number	

Machine Due Date	05/21/99,
Machine Status	In Progress

Diagnostic Coordinator	John G. Karrot
Creation Date	03/29/99
Language	English
Comments	
Information Integrator	

Directory Path	c:\cbr_db
----------------	-----------

Attachment(s): BHL008.cdf,

Times New Rô 10 [None]

Office

FIG - 21

FIG - 22

300

2202

**Case Base Links**  
View

Case Base Name: BHL008  
Question/Action:

Q1: Has the engine run through a long idle period?  
IE Title:  
Troubleshooting: Control with Display  
Troubleshooting: Control without display

SMCS:  
(4000-C5-064):POWER CONSUMPTION-DRIVE, 12-PIN CONNECTOR, BORE/DRILL  
(60000-064):IMPLEMENTS, BORE/DRILL  
(6000-H4-064):IMPLEMENTS, 14.5-INCH, BORE/DRILL

DPSO:  
Electrical and Starting System, Alternator GP-Charging

Test Procedure:  
Analog Sensor Supply Calibration

AI: Overcooling: Long idle periods. Reduce idle time.  
IE Title:  
Specification: Crankshaft: senr6462  
Troubleshooting: Control with Display  
Troubleshooting: Control without Display

OK Print Help



FIG - 25

300

**Add Serial Number Effectivity** 2504

Case base location:  2506

Case Base Effectivity:  2508

Serial Number 2510

High:

Low:

Arrangement Number 2512

2516

Select From:

Family	Model	Prefix
Engine	3176	2yg

 2514

2520  2522

FIG - 26

**Update Serial Number Effectivity** 2604

Case base location: 2608  Browse... 2606

Case Base Effectivity: 2610

Serial Number 2612

High:

Low:

Arrangement Number 2616

Add 2618

Remove 2616

Select From: 2614			
Family	Engine	Model	Prefix
Engine	3176		2yg

OK 2620

Cancel 2622

300

FIG - 27

2704

**Add User** [?] [X]

User name: bollmra

Full Name: Randy A. Bollman

2706 Password: \*\*\*\*\*

2708 Confirm Password: \*\*\*\*\*

2710

Member of:

Administrator

2724

2728 <- Add

Remove -> 2730

Not member of:

Author  
Product Diag Coordinator  
Information Integrator

2726

2712 OK

2714 Add User

2716 Apply

2718 Delete

2720 Cancel

2722 Help

300

2702

FIG - 28

2804

**Add User** [?] [X]

User name: johnsjd

Full Name: Jeff D. Johnson

2806 Password: \*\*\*\*\*

2808 Confirm Password: \*\*\*\*\*

2810

Member of:

Administrator

2824

2812 OK

2814 Apply

2816 Cancel

2818 Help

2820

2826 <- Add

Remove -> 2826

Not member of:

Author  
Product Diag Coordinator  
Information Integrator

2822

300

2802

FIG - 29A

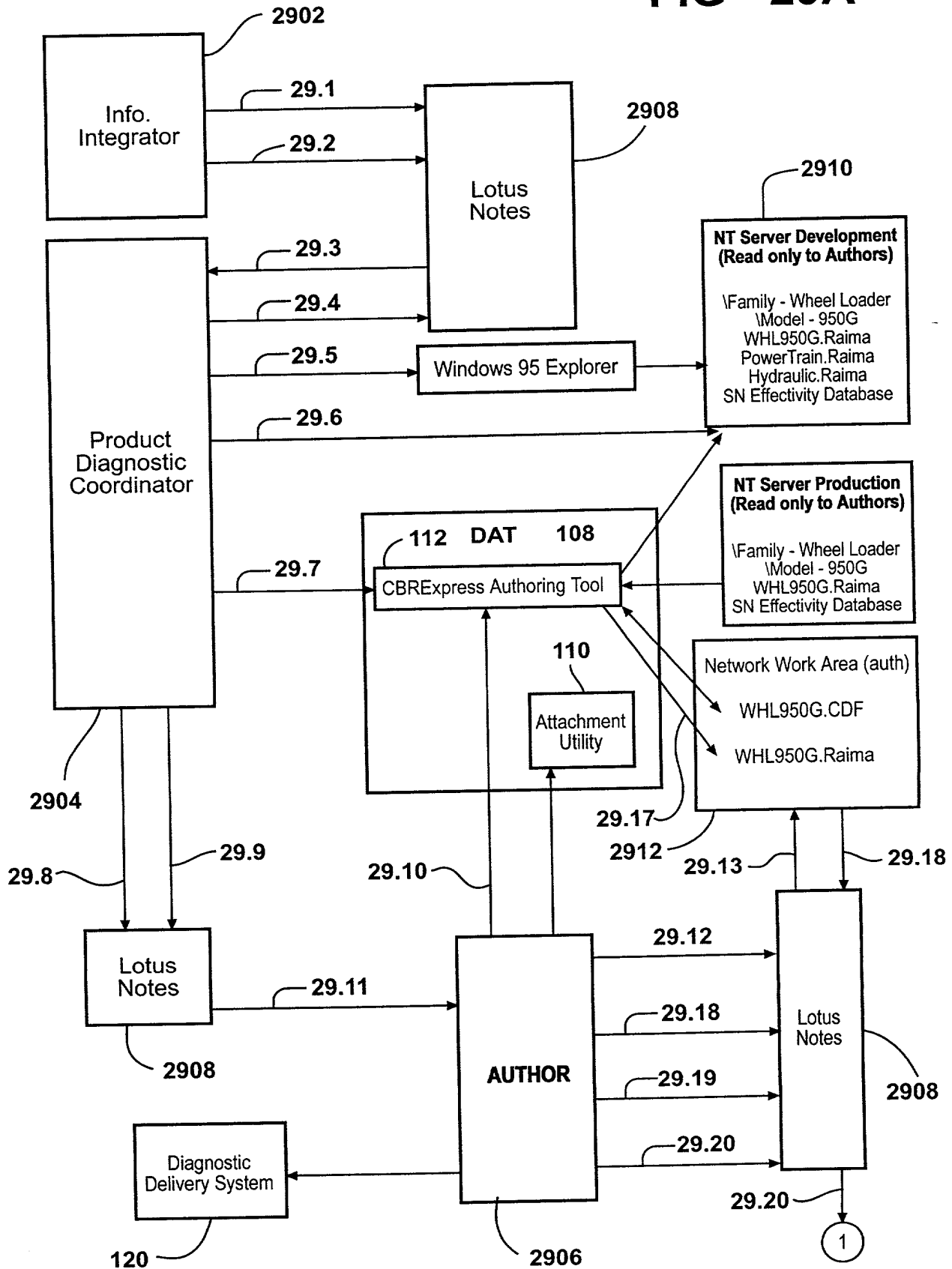


FIG - 29B

